

To: O'Connor, Darcy[oconnor.darcy@epa.gov]; Garcia, Bert[Garcia.Bert@epa.gov]
From: Morales, Monica
Sent: Thur 6/2/2016 8:42:50 PM
Subject: FW: FIP costs and benefits summary

Good afternoon. Below is a table that reflects the current cost benefits of methane, which is \$100 million, for the proposed Uinta Basin FIP. This number alone triggers the RIA requirement for our rulemaking. The actual costs associated with the proposed action is \$83 million.

After the call this afternoon, Chris is estimating that the revised RIA will go to OP on Tuesday.

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From: Dresser, Chris
Sent: Thursday, June 02, 2016 10:54 AM
To: Morales, Monica <Morales.Monica@epa.gov>
Cc: Rothery, Deirdre <Rothery.Deirdre@epa.gov>
Subject: FIP costs and benefits summary

Below are our summary tables for costs, benefits, and emission reductions.

Table 0□1 Summary of the Monetized Benefits, Costs, and Net Benefits for All

Options in 2020 (2012\$)

| | Option 1 | Option 2 (proposed) | Option 3 |
|---------------------------------------|--|--|--|
| Total Monetized Benefits ¹ | \$100 million | \$100 million | \$100 million |
| Total Costs ² | \$83 million | \$83 million | \$83 million |
| Net Benefits | \$17 million | \$17 million | \$17 million |
| Non-monetized Benefits | Non-monetized climate benefits Health effects of PM2.5 and ozone exposure from 42,670 tons of VOC reduced Health effects of HAP exposure from 8,720 tons of HAP reduced Health effects of ozone exposure from 83,635 tons of methane Visibility impairment Vegetation effects | Non-monetized climate benefits Health effects of PM2.5 and ozone exposure from 42,670 tons of VOC reduced Health effects of HAP exposure from 8,720 tons of HAP reduced Health effects of ozone exposure from 83,635 tons of methane Visibility impairment Vegetation effects | Non-monetized climate benefits Health effects of PM2.5 and ozone exposure from 42,670 tons of VOC reduced Health effects of HAP exposure from 8,720 tons of HAP reduced Health effects of ozone exposure from 83,635 tons of methane Visibility impairment Vegetation effects |

Table 5-2 Summary of Emissions Reductions for all Options in 2020

| Options 1, 2 and 3* | |
|---|--------------------------------|
| Pollutant | (Proposed) 2019, 2020, 2021 |
| Methane (short tons/year) | 83,365 |
| VOC (short tons/year) | 42,670 |
| HAP (short tons/year) | 8,720 |
| Methane (metric tons) | 75,627 |
| Methane (metric tons CO ₂ Eq.) | 305,474 |

* The emissions reductions for the three options in the proposed FIP do not vary; what varies is the compliance date.

Can we say Reductions here, or should we put negative signs in front of the numbers?

ok

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